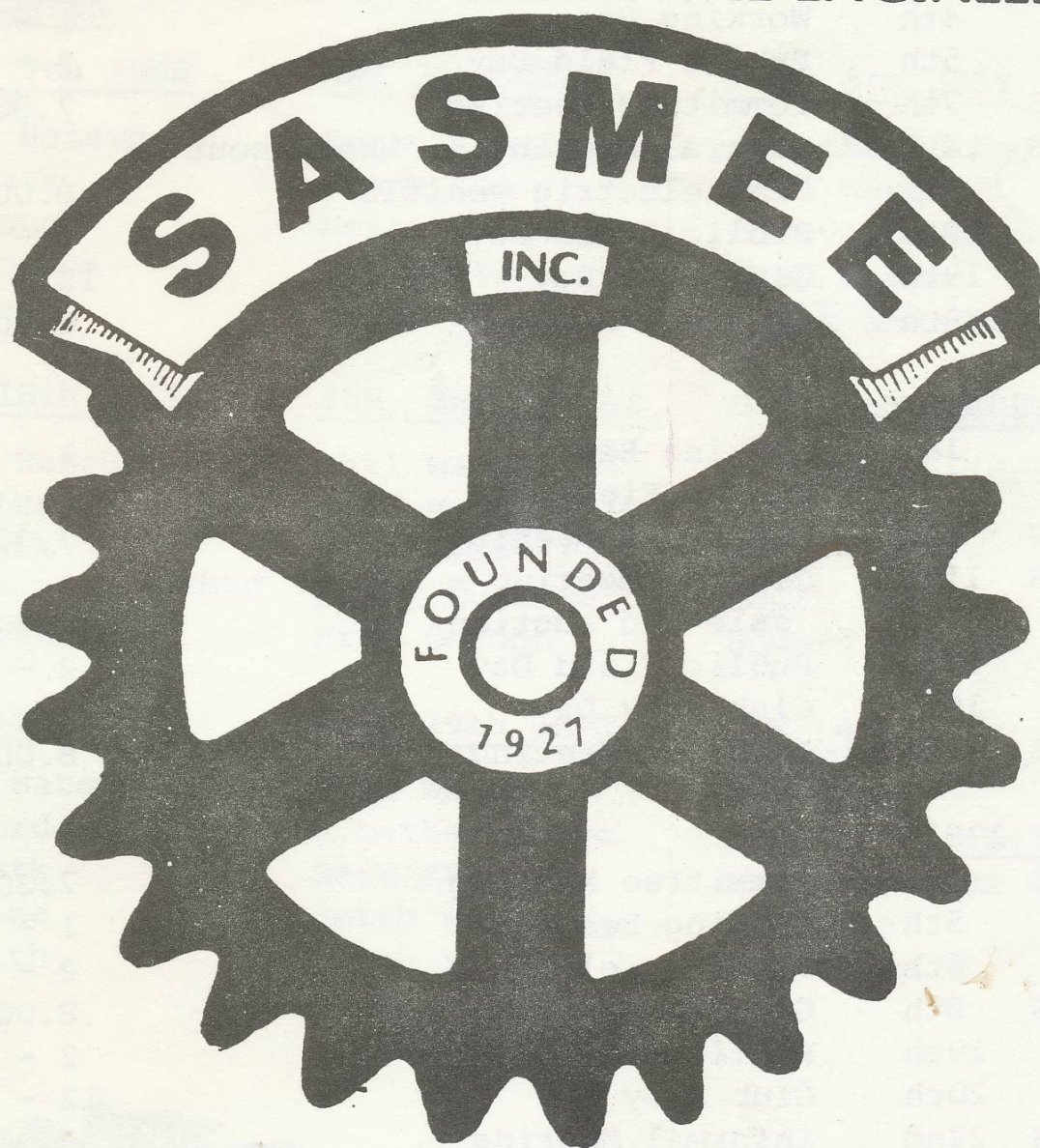


SASMEE BULLETIN

THE OFFICIAL JOURNAL
OF

**THE SOUTH AUSTRALIAN SOCIETY OF
MODEL AND EXPERIMENTAL ENGINEERS**



July - Sept 81

ISSN - 0158 - 3700

What's On At SASMEE

JUNE 1981

TUES	1st	Committee Meeting	7.30 p.m.
SAT	6th	Working Bee	1 - 5pm
SUN	7th	Public Field Day	2 - 5pm
TUES	9th	General Meeting. Speaker Mr.N. Potter from ANR	8.00pm
SAT	20th	Public Field Day	2 - 5pm
SUN	21st	Club Play Day	12 - 5pm
TUES	23rd	Informal Meeting	8.00pm

JULY 1981

SAT	4th	Working Bee	1 - 5pm
SUN	5th	Public Field Day	2 - 5pm
TUES	7th	Committee Meeting	7.30 p.m.
TUES	14th	General Meeting - 'What about the electric vehicle'	8.00 p.m.
SAT	18th	Public Field Day	2 - 5pm
SUN	19th	Club Play Day	12 - 5pm
TUES	28th	Informal Meeting	8.00pm

AUG 1981

SAT	1st	Working Bee	1 - 5pm
SUN	2nd	Public Field Day	2 - 5pm
TUES	4th	Committee Meeting	7.30 p.m.
TUES	11th	General Meeting - Annual jumble sale and auction	8.00 p.m.
SAT	15th	Public Field Day	2 - 5pm
SUN	16th	Club Play Day	12 - 5pm
TUES	25th	Informal Meeting	8.00 p.m.

SEPT 1981

TUES	1st	Committee Meeting	7.30 p.m.
SAT	5th	Working Bee	1 - 5pm
SUN	6th	Public Field Day	2 - 5pm
TUES	8th	General Meeting	8.00 p.m.
SAT	19th	Public Field Day	2 - 5pm
SUN	20th	Club Play Day	12 - 5pm
TUES	22nd	Informal Meeting	8.00 p.m.

THE PRESIDENT'S REPORT

Ladies and Gentlemen, the year 1980/81 has produced a good showing for our Society.

We started off the year with an exhibition which was very successful. There has been nothing like it at SASMEE grounds before. I know that some members had some misgivings about the success of this undertaking, but it surpassed all expectations. Our enthusiastic Secretary, Peter Denholm, was the mainstay behind the exhibition, and again congratulations must be given to him, and all those who contributed to its success.

We have been fortunate in having one of our junior members, Gavin Thrum, to look after the grounds during the year. I am sure you will all agree that Gavin has done a first class job in maintaining that 'well kept' appearance of the premises

A 20' x 10' garage was given to SASMEE during the year by Mr. Vin Angley. This has since been erected at the Northern end of the grounds and will be used as a rolling stock shed for the ground level track. A letter of thanks was sent to Vin.

The Goodwood Oval Committee gave the Society some steel chairs. These have been spray painted and are in use in the Club House.

The ground level track project has progressed steadily and most of the onerous bridgework etc. is completed. There is now a reasonably 'straight run home' to close the main track loop. An all out effort will be launched by the Ground Level Sub-Committee to achieve this by the end of the year.

The annual auction sale, which is always a hilarious affair, was well up to expectations and was ably conducted by Tom England with the help of John Welch. A lot of 'valuable' junk, (as my wife calls it), changed hands during the evening, and most of us went home with a few new (secondhand) prized possessions.

After a lot of work on signal modifications, we had our first taste of reverse running, which was a pleasant change, apart from tending to lean the wrong way when going into

all those left hand curves. I must thank Peter Cockburn and Gavin Thrum who helped me with the changes to the signal track circuits.

I must also thank member Ed Halsey, who donated a very old oil engine, which was restored to running order by Vic Thrum. The engine now runs on most Field Days supervised by Vic, who must be thanked, not only for restoring the engine, but also for setting up a large circular saw for cutting logs for fuel for the boiler.

There were sad moments during the year with the death of two of the senior members, Fred Hercus and Herb Croker. Both these members have made many contributions to model engineering and to SASMEE over the years, and it is therefore fitting that they should be remembered by the creation of the 'Fred Hercus Memorial Library' and the 'Herbert Croker Engine House'.

A proposal to set up a foundry at SASMEE was agreed to during the year, and a special sub committee, headed by Peter Denholm, has been active in acquiring equipment for this project.

The new Security system came into operation in November. Jack Davey was responsible for the purchase of the locks, which are divided into a master and sub-master combination. Members may borrow keys from any member of the Executive Committee.

Our Public Officer has carried a dual role during the year, as he has also been responsible for the operation of the canteen. Angus has introduced a number of innovations, such as the icecream freezer and stock control. These have considerably improved the income. As stock is now held in the canteen, this area is securely locked except on field days, working bees, and general meetings.

The Annual show of Work was combined with a play day in November, but was poorly attended. I am certain that no one could be blamed for not rolling up on the day as the temperature was about 38 C.

In contrast, the Christmas party was a great success and Father Christmas, Tom Fowler, performed his annual task in

grand style, much to the delight of the kids, both young and old.

In November we had a weekday run for the handicapped children from Ashford Special School, and children had the time of their lives. A large number of the members turned up with their locos and boats. The principal of Ashford School sent a letter of appreciation.

All agreed that part of the storeroom on the western side of the clubhouse be converted into a library room. This project is well in hand, and should be completed by mid 1981. The plaque "Fred Hercus Memorial Library" will be fixed to the entrance door.

The prolonged hot weather this last summer, caused excessive evaporation from the boat pond. At one stage it was thought that a leak had developed, and consequently the excess water account for the year was about \$300. The incoming committee will need to look at the possibility of using bore water to offset this cost.

Fred Gordon has renewed the water pipe between the Club House and the pond and this has improved the water pressure, but it seems likely that the remaining section to the street will also have to be replaced.

The hot spell also had an adverse effect on the attendances at field days for about 2 months, but takings are back to normal again.'

The Goodwood Lions Club were given a Charity Field Day for the Blind Association, which was not very well attended. Apparently not much publicity was given to the event, and attendance suffered accordingly.

A group of people from Minda House were given loco rides prior to the opening on the Saturday field day in March, and quite a few of the loco owners volunteered to help out. It was heartening to see a good roll up for such a worthy cause, and the outing was appreciated by all those who came.

The efforts of the boating members has been a worthwhile field day attraction during the year, and it is hoped that the long promised shelter will be erected in the coming year.

Thanks must also be given to an anonymous organisation which provided the Society's vertical boiler with a nice looking insulated jacket. The thermal efficiency of the boiler has no doubt jumped from 4% to 4+x% due to this improvement.

The family of the late Fred Hercus kindly donated to SASMEE, Fred's private track, copies of the ME and other books, and a horizontal milling machine. The Society has expressed appreciation to the Hercus family, and good use will be made of these gifts in remembrance of Fred.

Several members attended the Easter Convention in Sydney, and the Society was officially represented by Phil Waugh and Angus Templeman. Angus arranged for the purchase of a new Society flag and took it to the convention. The old flag is very 'tatty'. Our appreciation is expressed to Phil and Angus for looking after SASMEE's interests at the annual meeting.

Peter Denholm and I had a meeting with Mr. Tony Flint, who as you know has been the Society's Patron for a number of years. Mr. Flint has relinquished the position of Patron as he has transferred from being Chairman of the State Transport Authority to head the South Aust. Government's new Road Safety and Motor Transport Division. He has agreed to serve as a Vice Patron. I have since approached Mr. F.R. Harris, the General Manager of the STA, who has kindly accepted the position of Patron of the Society.

Approaches have also been made to the following gentlemen, who have agreed to become vice patrons:

Dr. D. Williams	General Manager	Australian National (ANR)
Mr. A.G. Flint	Director	Road Safety & Motor Transport
Mr. D.R. Harvey OAM	Director	Steam Ranger ARHS

Two vice patrons who remain in that capacity are Messrs. G. Nicolson and C. Schaumloffel.

FOUNDRY PROGRESS REPORT

Progress has been slow but steady, and the response from the questionnaire was appreciated by, and encouraging to, the Sub Committee. The "steamhouse" was cleaned out and the area prepared to house the foundry equipment.

Terry Middleton and Bill Coles have been responsible for most of the progress so far, and there are now two furnaces almost ready to fire up; one has already been lined. Bob Smyth has been of great assistance and has offered a small furnace which he no longer requires.

The collection of scrap of various types is increasing and the sub-committee hopes soon to start melting it.

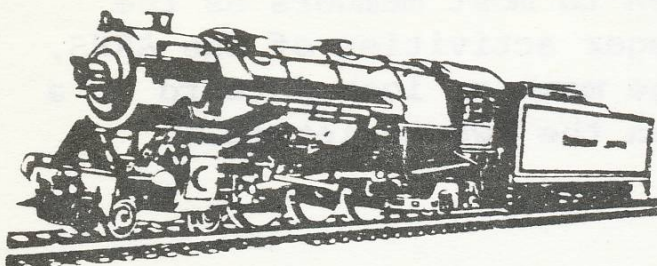
Many patterns for the library have been received, and in particular the sub-committee wishes to record its thanks to Paul Griscti for his many gifts of patterns and items of equipment to SASMEE.

The sub-committee is eager to obtain safety equipment such as gloves, goggles, aprons etc. and if anyone can assist, please let the committee know.

The sub-committee thanks those members, who have offered equipment and physical assistance through the questionnaire, and they will be called upon once the furnaces are in operation.

VISIT

Member Harry Gibbs, the founder of Glover Gibbs, has invited members to visit the factory and see the pie and pasty making machinery at work. The most suitable time would be on a working day at about 9 am. The geriatric, retired and unemployed members intending to take advantage of this offer should contact Fred Gordon so that a suitable date can be arranged.



REPORT ON ANNUAL GENERAL MEETING

The retiring committee proposed several changes to the Constitution and Rules for presentation to the AGM.

Two proposals were successful. The Assistant Treasurer now becomes a member of the Committee, and the Annual Report will in future be presented by the President instead of the Secretary.

The proposal to limit the term of members of the executive was not resolved and after redrafting, will be presented to the next AGM.

ELECTION OF OFFICERS

There are two new members of the Executive for 1981/82. All members except the four committeemembers were elected unopposed. Alec Ide and Phil Waugh continue as members of the committee and are joined by Colin Cook and Bill Coles. Howard Bateup and Tom Fowler did not seek re-election.

The executive was congratulated on the election and Ian Clark, who continues as President, was assured of the co-operation of all members of the Society during the coming year.

Patron and Vice Patron

Mr, Frank Harris has accepted the invitation of the Society to become Patron.

Mr. Tony Flint, who was previously the Patron, now becomes a Vice Patron. The Society is very grateful to Tony for his past assistance and valued support. Dr. Don Williams, the General Manager of Australian National (ANR), has accepted the invitation to become a Vice Patron.

Mr. Dean Harvey, well known to most members as the force behind the Steam Ranger activities of the ARHS, South Aust. Division. The members look forward to a closer relationship between the two Societies.

Messrs. George Nicolson and Con Schaumlöffel continue as Vice Patrons.

The Committee and Members welcome the newcomers to the list of patrons and hope their involvement with the Society will be long and fruitful.

This year it is proposed that the Show of Work, to be held in November, will double as Patrons Day, and on this occasion the Patron and Vice Patrons will join with the members for a pleasant day's entertainment. More details of this event will be given in the next issue of the Bulletin.

NEW MEMBERS

A somewhat belated welcome is given through these pages to Roy Duncan, by now well known to all regulars at SASMEE as a regular toiler at working bees and field days. Roy is ready to start building a 7½"G loco, now that he has completed his 5" lathe.

Jim Degotardi, a retired technical officer previously with the C of A, has regarded himself as an armchair critic, but is now preparing to build a 5"G loco.

No introductions are necessary with young Stuart Gamble, as he has been helping dad (Barry) for years to build boats and then said them on our pond. Stuart is a 'HO' fan and joins us as a Student Member.

David Eustice has finally joined our ranks. For some-time David has been helping out at the station on Field Days.

We extend to all new members a sincere welcome, and hope that your association with SASMEE and its members will be of advantage to you.

With regard to the membership of SASMEE, the following figures will be of interest -

At present there is a total of 121 members, comprising - 85 Full; 13 Country; 11 Family; 6 Student; 5 Juniors; 5 Honorary Life.

During the past year, 18 full members and 13 student members have joined the Society.

Despite heavy financial commitments for the ground level track project, general maintenance and other improvements to the Grounds, we are out in front financially. This can be mainly attributed to extra income from the exhibition, the sale of copper tubing, and the efficient operation of the canteen. Peter Denholm, Terry Middleton, and Angus Templeman must be thanked for organising these functions.

In conclusion I would thank all the members of the Executive Committee who have given more than their fair share of time to the good management of SASMEE on your behalf, and I am sure that those who will take office for the ensuing year will continue to look after the interests of the Society. Thank you for your support during 1980/81.

Ian Clark

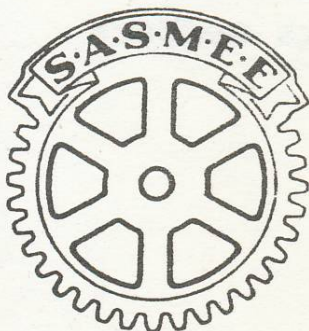
ERRATA

An error was noticed in the article on making Square Holes. Eqn (2) on Page 8 should be

$$H = R - \frac{1}{2} \sqrt{4R^2 - C^2}$$

In addition, I omitted to acknowledge the assistance I received from articles in the ME and the Journal of SMEE. Prof. Chaddock and George Thomas used similar ideas to produce square holed collets for the "Quorn" Grinder and Staking Tool respectively.

Editor



TIT BITS

SASMEE has purchased bound volumes of "Live Steam" 1977, 1978 and 1979. These will be added to the unbound copies of "Live Steam" in the Library. The Society received 4 complete unbound volumes from the estate of the late Fred Hercus. These volumes will be bound as soon as possible.

The Society has received a letter of gratitude and a donation from the Staff, Parents and Boys of Minda Home. They thank us for the outing we gave them on Sunday 5th April.

Tom England has presented more photographs, and have been placed in the albums for safe keeping. The Society also has a photograph of the late Allan Frankham measuring 16" x 20", taken during a visit to Whyalla some years ago. If any member has an unwanted picture frame at least 16" x 20" please let the committee know so that the photo can be displayed.

During 1986 South Aust. will celebrate the 150th anniversary of the founding of the State. Any member having suggestions as to how SASMEE may contribute to these celebrations is invited to make them known to the committee.

OVERSEAS TOURISTS:

Jack Mell has returned from his latest trip to the U.K. His movements in England are not known, but he is believed to have visited Birmingham.

Tom and Betty Fowler don't seem to spend much time at home. They are off to Sydney and then Warrnambool, and after their return to Adelaide, will be going on a tour of China.

The Halstead family have just returned from a trip to the USA and Canada. Reports are that they had a traumatic experience as the result of an hotel fire in New York.

Bill Coles is leaving shortly on a business trip to Japan.

23rd June:- A visit to view the replica of the 'Southern Cross' has been arranged for the informal meeting, through the good offices of Mike Bradford. Members intending to go on this visit should meet at the grounds at 7.30pm. or at Parafield at 8.00pm.

14th July:- The guest speaker at this General Meeting will be Mr. Don Rice. Mr. Rice has been the major force behind the development of the Electric Vehicle in South. Aust. and at the meeting will discuss developments to date.

4th August:- This General Meeting is the Annual Auction. Will members sort out the odds and ends. If members have items for sale on a commission basis, will they inform the Secretary so that these items can be catalogued and reserve prices determined before the auction.

17th-18th October:- Country members are asked to keep the 3rd weekend in October free. The 3rd Saturday is a regular Field Day, with the next day being the monthly play day coupled with the annual 'Show of Work'. This will be an opportunity to have an active weekend at SASMEE. During this weekend scales will be available to weigh models. Country members needing help with accommodation should contact the Secretary.

WANTED AND FOR SALE

Wanted: Allan Brabham is looking for a small 3 jaw chuck between 2" to 3" diameter.

For Sale: Alex Bradley has a 3½" g 'Masie' and a partly completed ¾" scale traction engine for sale. Older members of the Society will remember the Masie, which did sterling work on the track in the late 1960's. Anyone interested should approach Phil Waugh in the first instance.

CHIT CHAT

The Sec. has received a welcome letter from the North West Model Engineering Society of Ulverstone in Tasmania. The President, Miles Ponsonby, is compiling a Register of Model Traction Engines, and requests any member constructing or owning a model traction engine to contact Mr. Peter Barnes at 9 Federal Street, Burnie, Tasmania.

The Ulverstone Society extends a welcome to any member visiting Tasmania, especially if they have a $3\frac{1}{2}$ "G, **5"G** or $7\frac{1}{4}$ "G loco in their luggage.

Still on the subject of visits, I have had an opportunity to visit many of our Country Members recently. On a trip to Alice Springs, I paid a visit to Bernie Wright and Ron Thomson. Bernie has recently moved from Hobart to the Alice, and at present setting up his workshop. Bernie has two $3\frac{1}{2}$ "G locos on the go, but regrettably I don't know which locos they are. Ron is a long time Alice resident and a model engineer of some repute. Indeed I doubt whether I have come across an engineer with such skill and ability. Ron has a $7\frac{1}{4}$ "G track, rolling stock and a fine loco which he operates in his backyard. The loco is the largest I have seen. It was modelled from photographs of an American Northern Class and has 3" x $3\frac{1}{4}$ " cylinders with Baker valve gear, and a copper boiler. The tender holds 15 gals. of water. Ron spent $5\frac{1}{2}$ years in building the model which first ran in April 1969.

Recently Ron finished building a 'Steen Skybolt' aircraft. It is the finest home built aircraft I have seen, superb in every respect. I would love to fly it.

Ron is also building a $1\frac{1}{2}$ " Allchin Traction Engine, which is $\frac{5}{8}$ complete.

Thank you Ron and Bernie for your hospitality.

Now that the Company has flights to Broken Hill, Renmark and Mildura, members in those areas can expect a flying visit. Also a courier service for any bits and pieces ex Adelaide is offered.

See you soon. Peter Denholm



Rosters



CANTEEN:

SUN	7th June	John Irvine, Peter Cockburn, John Daly
SAT	20th June	Margaret Francis, Allan Faunt, Harry Gibbs.
SUN	5th July	Steven Maher, Tom Fowler, Allan Lewis.
SAT	18th July	Tom England, Peter Gore, Andrew Christopherson.
SUN	2nd Aug	Barry Gamble, Stuart Gamble Rick Penfold.
SAT	15th Aug	Allan Mitchell, John Gordon, Brian Crabb.
SUN	5th Sept	Fred Gold, Sandra & Lindsay Hope
SAT	19th Sept	Ronald Bennetts, Ken McDonald, Arnold Stead.
SUN	4th Oct	Coralie Letherbridge, Jim Degotardi Jean Clark.
SAT	17th Oct	Peter Lewis, Kevin & Michael Halstead.

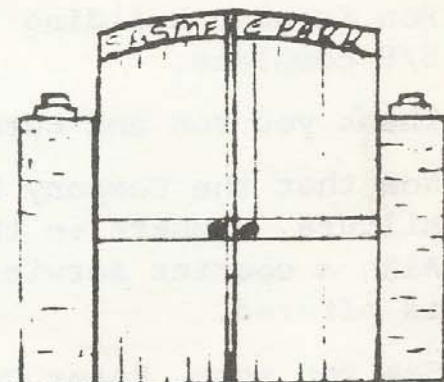
LOCK UP

Informal Meeting

Tues	23rd June	Peter Denholm
Tues	28th July	Fred Gordon
Tues	25th Aug.	Ian Clark

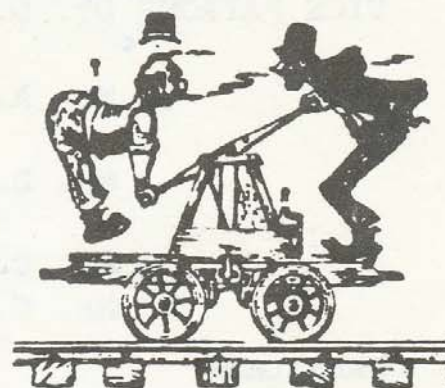
Club Play Day

Sun	21st June	Bill Holdsworth
Sun	19th July	Peter Denholm
Sun	16th Aug	Alex Ide
Sun	20th Sept	Peter Denholm



BOILER ROSTER

SUN	7th June	Colin Cook
SAT	20th June	Alan Brabham
SUN	5th July	Mike Bradford
SAT	18th July	Joe Hendry
SUN	2nd Aug	Bryan Homann
SAT	15th Aug	Colin Cook
SUN	5th Sept	Tom Fowler
SAT	19th Sept	Terry Middleton
SUN	4th Oct	Bryan Homann



LOCO ROSTER

Sun 7th JUNE

Howard Bateup
Ian Clark
Phil Waugh
Fred Gordon
John Beal

SAT 20th JUNE

Bert Francis
Frank Lee
Keith Besley
Bob Smith
Ralph Skewes

SUN 5th JULY

A. Letherbridge
Phil Waugh
Barry Dunstan
Fred Gordon
Colin Bamford

SAT 18th JULY

Howard Bateup
Frank Lee
Ian Clark
Keith Besley
Bert Francis

SUN 2nd AUGUST

Phil Waugh
John Moorefield
John Beal
Barry Dunstan
Fred Gordon

SAT 15th AUGUST

A. Letherbridge
Ralph Skewes
Bert Francis
Keith Besley
Howard Bateup

SUN 5th SEPT.

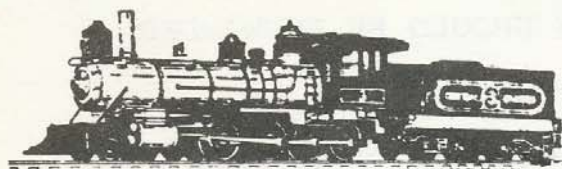
Howard Bateup
Fred Gordon
Ian Clark
Frank Lee
Bob Smith

SAT 19th SEPT.

Phil Waugh
A. Letherbridge
Bert Francis
Keith Besley
Colin Bamford

SUN 4th OCT.

Ian Clark
John Moorfield
Barry Dunstan
John Beal
Frank Lee



PATRON Mr. F.R. Harris, General Manager, STA.
VICE PATRONS Dr. D. Williams, General Manager,
Australian National
Mr. A. G. Flint, Director, Road Safety
& Motor Transport.
Mr. D.R. Harvey OAM, Director, Steam
Ranger, ARHS.
Mr. C. Schaumloffel, Australian National.
Mr. G. Nicolson, Tregalana, Whyalla.

PRESIDENT

I. Clark

VICE PRESIDENTS

J. Davey, A. Brabham

SECRETARY

P. Denholm

MINUTE SECRETARY

F. Gordon

TREASURER

B. Holdsworth

ASSISTANT TREASURER

W. Brownlow

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A. Ide

P. Waugh,

C. Cook, W. Coles

HOSTS

J. Welch, C. Burden

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G. Templeman, M. Ambler

PUBLIC OFFICER

A. Templeman

SUPERVISORS LOCO TRACK

A. Ide, W. Brownlow

H. Bateup, P. Waugh

SUPERVISORS BOAT POND

N. Kernick, C. Manning

B. Gamble

BOILER SAFETY COMMITTEE

A. Brabham, J. Welch

O. Thomas, H. Bateup

CANTEEN

A. Templeman

GROUND LEVEL TRACK

A. Brabham, H. Bateup, A. Ide, I. Clark, R. Bloyd, T. England

J. Davey, W. Brownlow.

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P. Denholm

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CONTRIBUTIONS TO THE BULLETIN SHOULD BE FORWARDED
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